	I						
		Exploring the Ex	xtreme				
		1997 Mathema					
		Content Stand	lards				
California Mathema	tics						
Grade 3							
Activity/Lesson	State	Standards					
			Solve simple problems involving a functional				
Changing the Center			relationship between two quantities (e.g., find				
of Gravity Using			the total cost of multiple items given the cost				
Moment Arms	CA	MA.3.AF.2.1	per unit).				
			Use a variety of methods, such as words,				
Changing the Center			numbers, symbols, charts, graphs, tables,				
of Gravity Using			diagrams, and models, to explain				
Moment Arms	CA	MA.3.MR.2.3	mathematical reasoning.				
		Exploring the Ex					
1997 Mathematics							
A 114 1 15 11		Content Stand	lards				
California Mathema	tics						
Grade 4	01-1-	01					
Activity/Lesson	State	Standards	Lles a veriety of reatherds, avel as werds				
Changing the Center			Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables,				
of Gravity Using			diagrams, and models, to explain				
Moment Arms	CA	MA.4.MR.2.3	mathematical reasoning.				
Mornerit Arms		IVIA.4.IVII\.2.3	mathematical reasoning.				
		Exploring the Ex	xtreme				
		1997 Mathema					
		Content Stand	lards				
California Mathema	tics						
Grade 5							
Activity/Lesson	State	Standards					
			Use a variety of methods, such as words,				
			numbers, symbols, charts, graphs, tables,				
			diagrams, and models, to explain				
Jet Propulsion	CA	MA.5.MR.2.3	mathematical reasoning.				
			Estimate, round, and manipulate very large				
Center of Gravity,			(e.g., millions) and very small (e.g.,				
Pitch, Yaw	CA	MA.5.NS.1.1	thousandths) numbers.				
		Exploring the Ex					
		1997 Mathema					
0.11/		Content Stand	lards				
California Mathema	tics 						
Grade 6	Ctoto	Ctorrele nele					
Activity/Lesson	State	Standards	Write and colve one step linear equations in				
lot Propulaion	CA	NAA GAE 4 4	Write and solve one-step linear equations in				
Jet Propulsion	CA	MA.6.AF.1.1	one variable. Write and evaluate an algebraic expression				
			for a given situation, using up to three				
Jet Propulsion	CA	MA.6.AF.1.2	variables.				
aer Linhaisinii	UA	IVIA.O.AF.1.Z	vaเเลมโซอ.				

			Estimate unknown quantities graphically and				
			solve for them by using logical reasoning and				
Jet Propulsion	CA	MA.6.MR.2.3	arithmetic and algebraic techniques.				
oct i ropulsion	OA .	IVI/1.0.IVII1.2.3	Use a variety of methods, such as words,				
			numbers, symbols, charts, graphs, tables,				
			diagrams, and models, to explain				
Jet Propulsion	CA	MA.6.MR.2.4	mathematical reasoning.				
Jet Propulsion	CA	IVIA.O.IVIN.2.4	Identify claims based on statistical data and,				
		MA.6.SDAP.2.	·				
Fuel Efficiency	C A	5	claims.				
Fuel Efficiency	CA	5	Ciairis.				
			Estimate unknown quantities graphically and				
			Estimate unknown quantities graphically and				
Fuel Efficiency	C A	MA CMD OO	solve for them by using logical reasoning and				
Fuel Efficiency	CA	MA.6.MR.2.3	arithmetic and algebraic techniques.				
			Use a variety of methods, such as words,				
			numbers, symbols, charts, graphs, tables,				
Fuel Efficiency	C A	MA CMD 0 4	diagrams, and models, to explain				
Fuel Efficiency	CA	MA.6.MR.2.4	mathematical reasoning.				
		Evaloring the Ev	vitro ma				
		Exploring the Ex					
		Content Stand					
California Mathem	action	Content Stand	latus				
Grade 7	latics						
Activity/Lesson	State	Standards					
Activity/Lesson	State	Statiualus	Use a variety of methods, such as words,				
			numbers, symbols, charts, graphs, tables,				
			diagrams, and models, to explain				
Jet Propulsion	CA	MA.7.MR.2.5	mathematical reasoning.				
Jet Propulsion	CA	IVIA.7.IVIN.2.3	Represent quantitative relationships				
			graphically and interpret the meaning of a				
			specific part of a graph in the situation				
Fuel Efficiency	CA	MA.7.AF.1.5	represented by the graph.				
Fuel Efficiency	CA	C.1.7A.7.AIVI	represented by the graph.				
			Estimate unknown quantities graphically and				
			solve for them by using logical reasoning and				
Fuel Efficiency	C A	MA.7.MR.2.3	arithmetic and algebraic techniques.				
Fuel Efficiency	CA	IVIA.7.IVIR.2.3					
			Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables,				
Fuel Efficiency	CA		diagrams, and models, to explain				
Fuel Efficiency	CA	MA.7.MR.2.5	mathematical reasoning.				
		Evoloring the F	vtromo				
Exploring the Extreme							
1997 Mathematics Content Standards							
Content Standards California Mathematics							
Grades 8-12 (Alge							
Activity/Lesson	State	Standards					
	Julio	Junuarus	l l				

			Students demonstrate and explain the effect
			that changing a coefficient has on the graph
			of quadratic functions; that is, students can
			determine how the graph of a parabola
		MA.8-	changes as a, b, and c vary in the equation y
Fuel Efficiency	CA	12.AII.9.0	$= a(x - b)^2 + c.$